

Techmer ES HiFill FR[®] TPX-PBT-00014 40% Glass/Mineral Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass + Mineral Filled

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass/Mineral, 40% Filler by Weight Features: Flame Retardant UL File

Number: E157318 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-TPX-PBT-00014-40-GlassMineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.77 g/cc	0.0639 lb/in ³	ASTM D792
Water Absorption	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength	100 MPa	14500 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	165 MPa	24000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	10.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	193 $\text{Å}^\circ\text{C}$	380 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	ASTM D257

Dielectric Strength Electrical Properties	18.1 kV/mm Metric	460 kV/in English	Method A (Short-Time); ASTM D149 Comments
--	----------------------	----------------------	--

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China